7K7

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TWIN DIODE—HIGH-MU TRIODE

GENERAL DATA

Electrical:

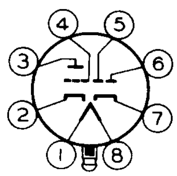
Heater, for Unipotential Cathodes:

Voltage	6.3□	ac or dc volts
Current	0.3□□	amp

Mechanical:

Mounting Position	Any
Maximum Overall Length	2-25/32"
Maximum Seated Length	2-1/4"
Maximum Diameter	1-3/16"
Bulb	T-9
Base	Lock-in 8-Pin
Basing Designation for BOTTOM VIEW	8BF

Pin 1 - Heater
Pin 2 - Triode Cathode
Pin 3 - Triode Plate
Pin 4 - Triode Grid
Pin 5 - Diode-No.2 Plate



Pin 6 - Diode-No.1 Plate
Pin 7 - Cathode of Diode-No.1 & Diode-No.2
Pin 8 - Heater
Plug - Base Shell

TRIODE UNIT
AMPLIFIER - Class A_1

Maximum Ratings, ***Design-Center Values:***

PLATE VOLTAGE	250 max.	volts

Typical Operation and Characteristics:

Plate Voltage	250	volts
Grid Voltage	-2	volts
Amplification Factor	70	
Plate Resistance	44000	ohms
Transconductance	1600	µmhos
Plate Current	2.3	ma

DIODE UNITS - Two

The two diode units have a common cathode and are independent of the triode unit. Further consideration of the diode units including diode curves is given at the front of this Section.

□Nominal voltage = 7.0 volts

□□Nominal current = 0.32 amperes.